

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101422\
 Data File : VU051425.D
 Acq On : 14 Oct 2022 17:09
 Operator : JC/MD
 Sample : N4817-01DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 38025-110221DL

Quant Time: Oct 15 06:10:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U100422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 05 02:45:21 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

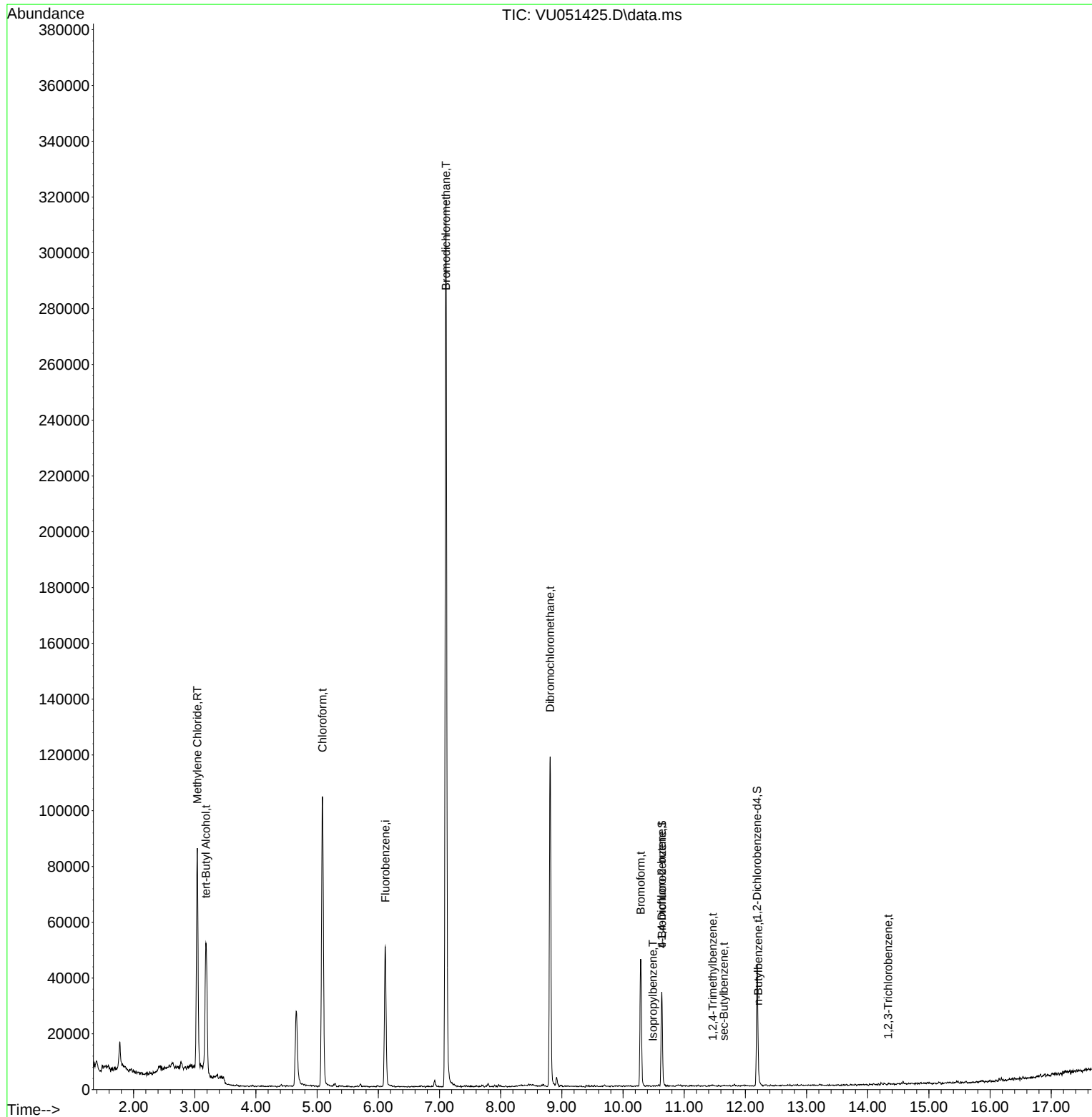
Internal Standards						
1) Fluorobenzene	6.115	96	46658	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	11608	0.757	ug/l	0.00
Spiked Amount 1.000			Recovery	=	76.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	12761	0.749	ug/l	0.00
Spiked Amount 1.000			Recovery	=	75.000%	
Target Compounds						
						Qvalue
13) Acetone	2.623	43	1413	Below Cal		100
15) Methylene Chloride	3.041	84	34995	1.432	ug/l	97
18) 2-Butanone	4.700	43	121	Below Cal		75
24) tert-Butyl Alcohol	3.182	59	27448	48.616	ug/l #	77
27) Chloroform	5.086	83	94237	3.503	ug/l	98
44) Bromodichloromethane	7.105	83	208875	10.823	ug/l	97
46) t-1,4-Dichloro-2-butene	10.632	75	6061	2.114	ug/l #	22
55) Dibromochloromethane	8.809	129	61623	4.715	ug/l	100
67) Bromoform	10.288	173	20700	2.744	ug/l	100
69) Isopropylbenzene	10.488	105	46	0.473	ug/l #	50
78) 1,2,4-Trimethylbenzene	11.465	105	20	0.493	ug/l #	33
79) sec-Butylbenzene	11.648	105	19	0.438	ug/l #	58
84) n-Butylbenzene	12.211	91	21	0.580	ug/l #	33
90) 1,2,3-Trichlorobenzene	14.336	180	44	0.344	ug/l #	50

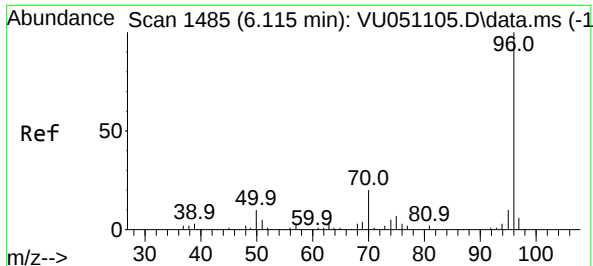
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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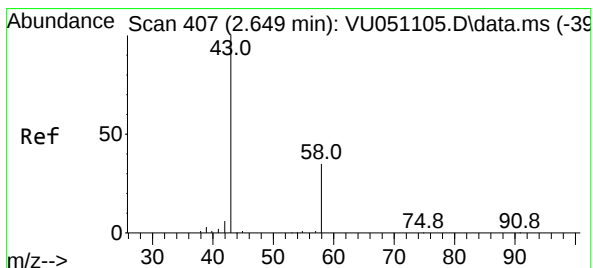
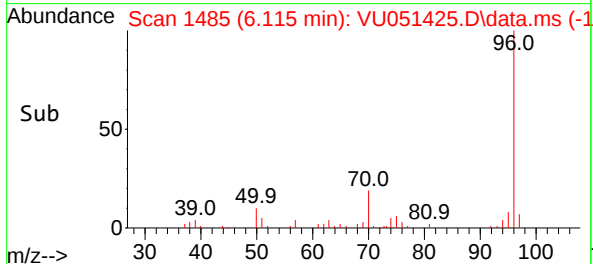
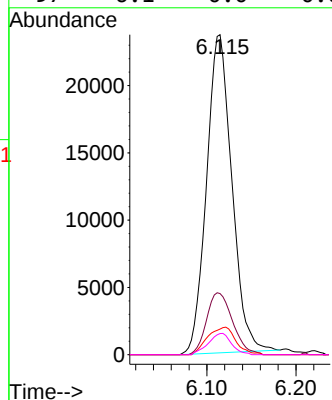
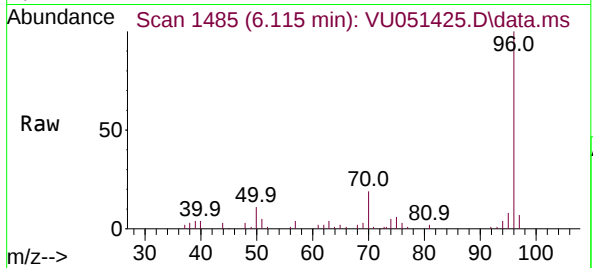




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.115 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051425.D
Acq: 14 Oct 2022 17:09

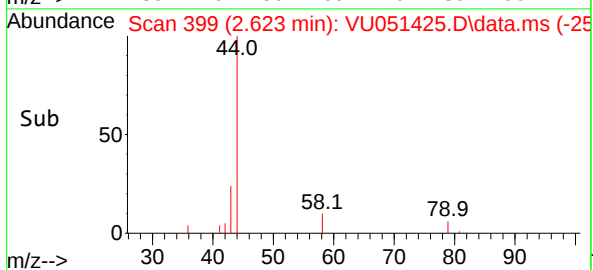
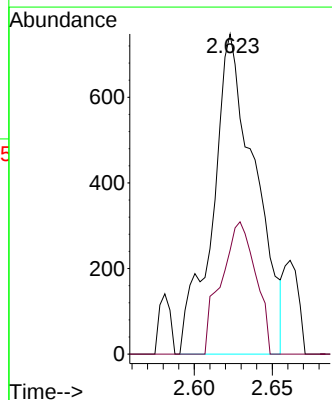
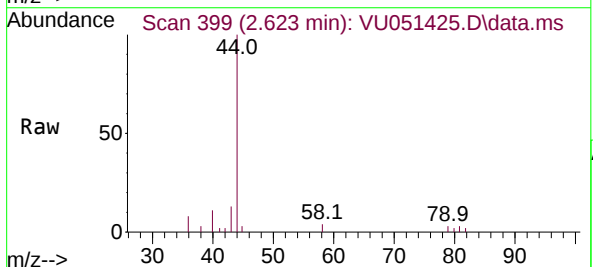
Instrument :
MSVOA_U
ClientSampleId :
38025-110221DL

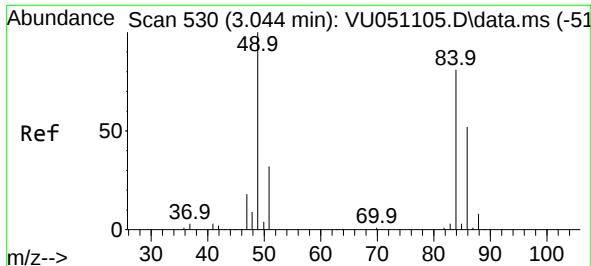
Tgt Ion: 96 Resp: 46658
Ion Ratio Lower Upper
96 100
70 19.9 16.7 25.1
95 9.7 7.4 11.0
97 6.1 0.0 0.0#



#13
Acetone
Concen: Below Cal
RT: 2.623 min Scan# 399
Delta R.T. -0.026 min
Lab File: VU051425.D
Acq: 14 Oct 2022 17:09

Tgt Ion: 43 Resp: 1413
Ion Ratio Lower Upper
43 100
58 32.5 26.2 39.2





#15

Methylene Chloride

Concen: 1.432 ug/l

RT: 3.041 min Scan# 51

Delta R.T. -0.003 min

Lab File: VU051425.D

Acq: 14 Oct 2022 17:09

Instrument :

MSVOA_U

ClientSampleId :

38025-110221DL

Tgt Ion: 84 Resp: 34995

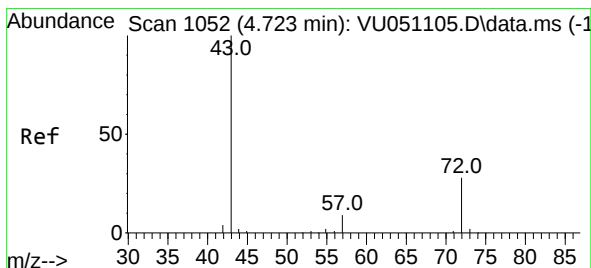
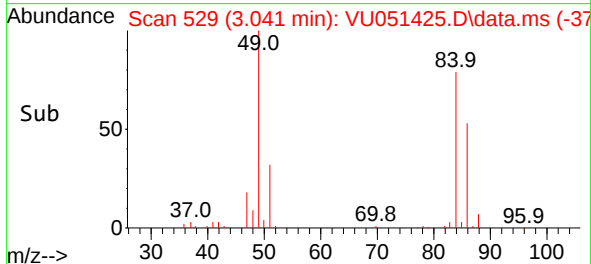
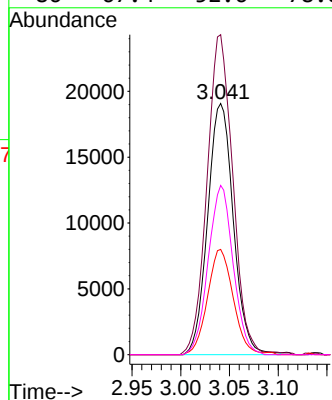
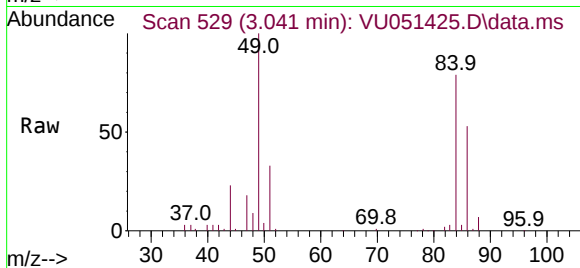
Ion Ratio Lower Upper

84 100

49 127.4 104.6 157.0

51 41.9 0.0 81.4

86 67.4 52.6 78.8



#18

2-Butanone

Concen: Below Cal

RT: 4.700 min Scan# 1045

Delta R.T. -0.023 min

Lab File: VU051425.D

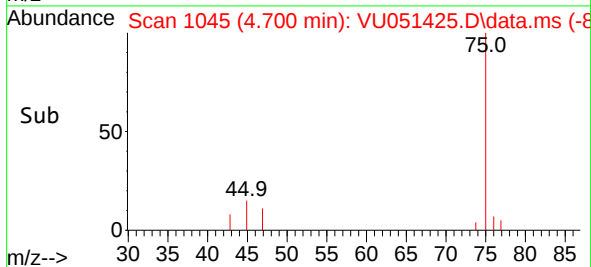
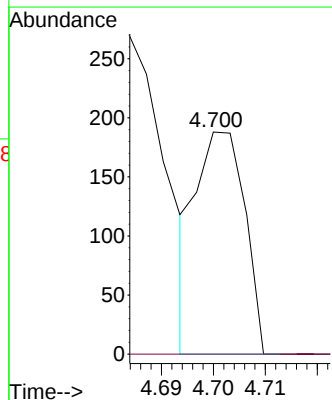
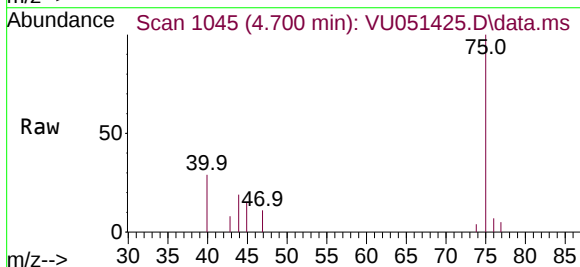
Acq: 14 Oct 2022 17:09

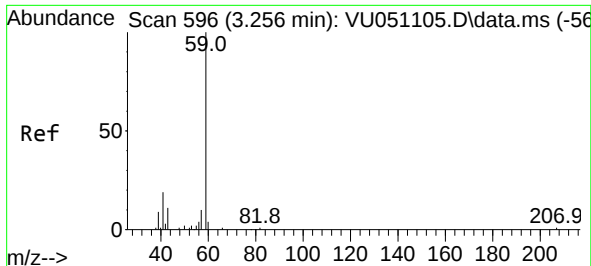
Tgt Ion: 43 Resp: 121

Ion Ratio Lower Upper

43 100

57 0.0 0.0 18.0

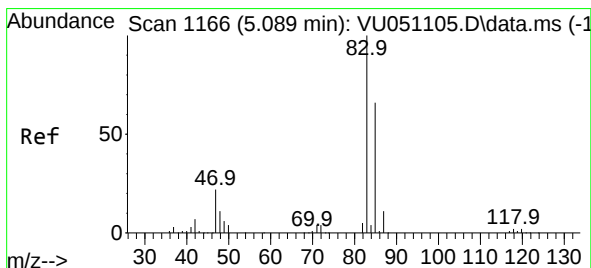
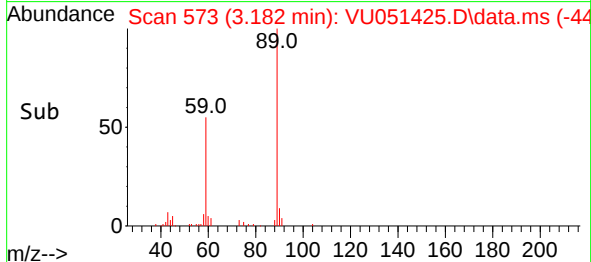
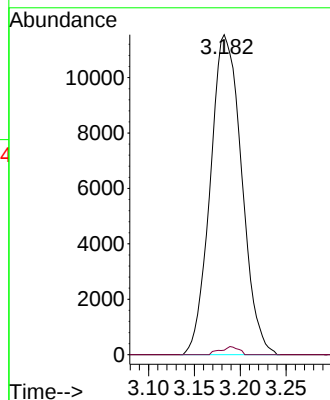
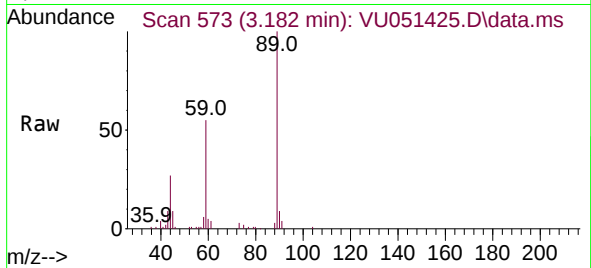




#24
tert-Butyl Alcohol
Concen: 48.616 ug/l
RT: 3.182 min Scan# 51
Delta R.T. -0.074 min
Lab File: VU051425.D
Acq: 14 Oct 2022 17:09

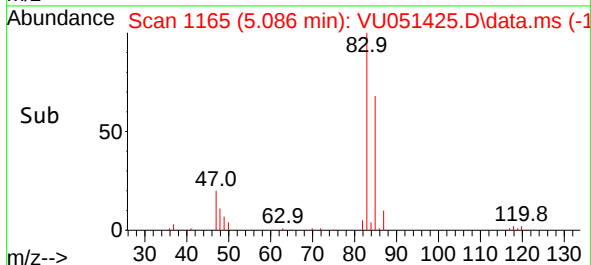
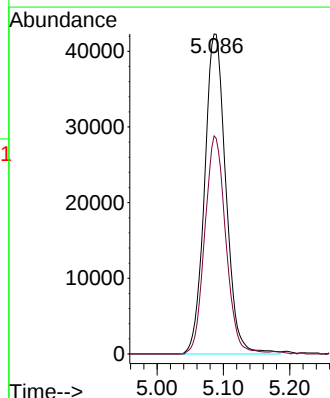
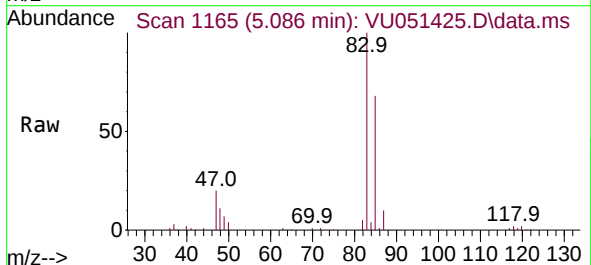
Instrument :
MSVOA_U
ClientSampleId :
38025-110221DL

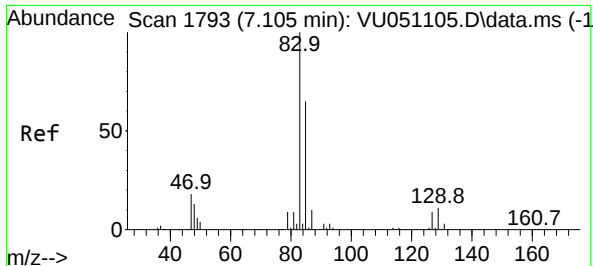
Tgt Ion: 59 Resp: 27448
Ion Ratio Lower Upper
59 100
57 1.5 8.2 12.2#



#27
Chloroform
Concen: 3.503 ug/l
RT: 5.086 min Scan# 1165
Delta R.T. -0.003 min
Lab File: VU051425.D
Acq: 14 Oct 2022 17:09

Tgt Ion: 83 Resp: 94237
Ion Ratio Lower Upper
83 100
85 68.1 0.0 133.6

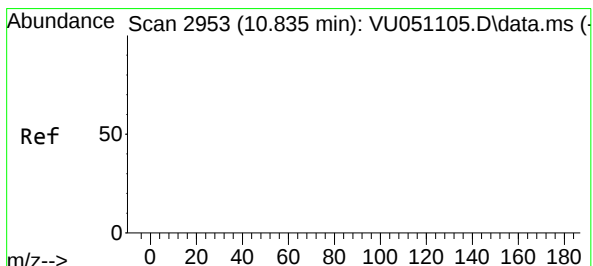
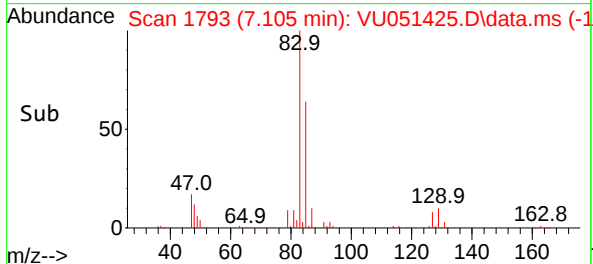
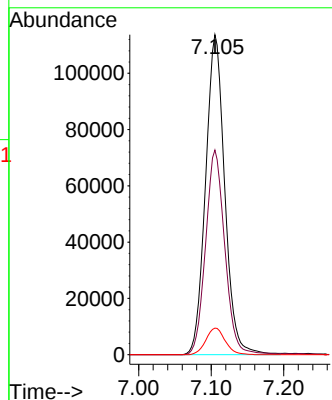
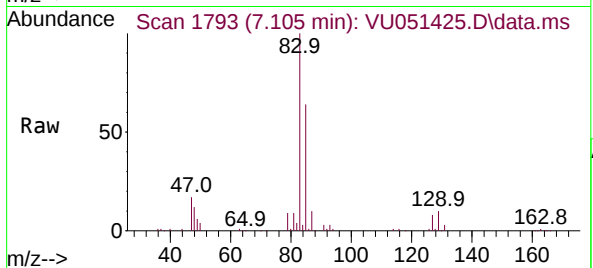




#44
Bromodichloromethane
Concen: 10.823 ug/l
RT: 7.105 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051425.D
Acq: 14 Oct 2022 17:09

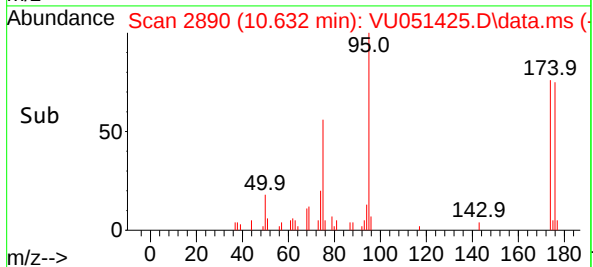
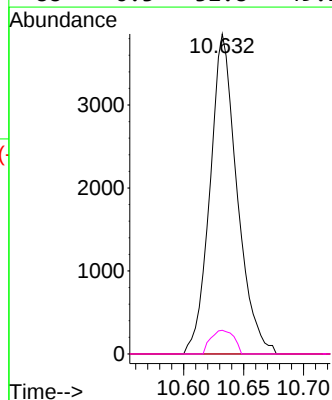
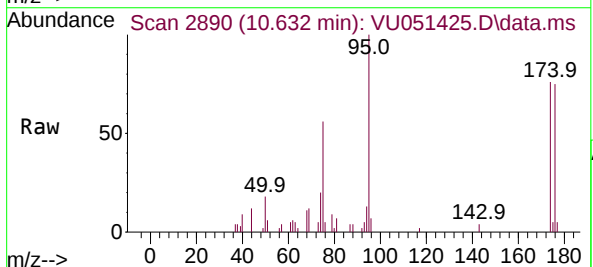
Instrument :
MSVOA_U
ClientSampleId :
38025-110221DL

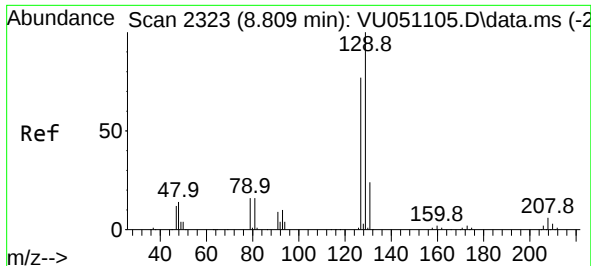
Tgt Ion: 83 Resp: 208875
Ion Ratio Lower Upper
83 100
85 64.0 49.4 74.0
127 8.3 6.6 10.0



#46
t-1,4-Dichloro-2-butene
Concen: 2.114 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.203 min
Lab File: VU051425.D
Acq: 14 Oct 2022 17:09

Tgt Ion: 75 Resp: 6061
Ion Ratio Lower Upper
75 100
53 0.0 64.4 96.6#
89 0.0 44.2 66.2#
88 6.3 32.8 49.2#

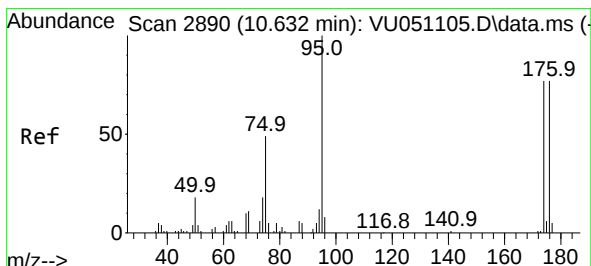
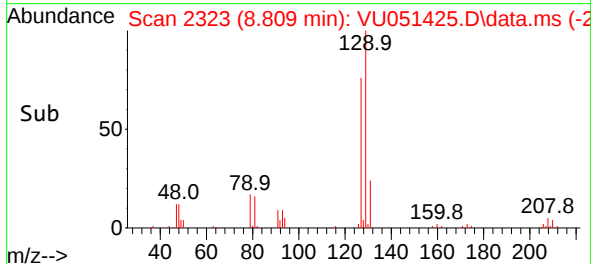
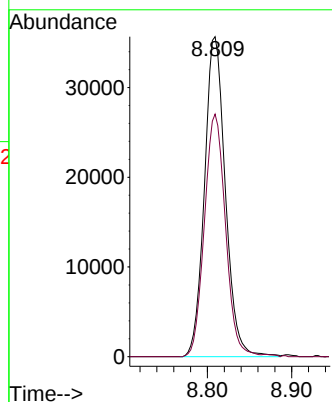
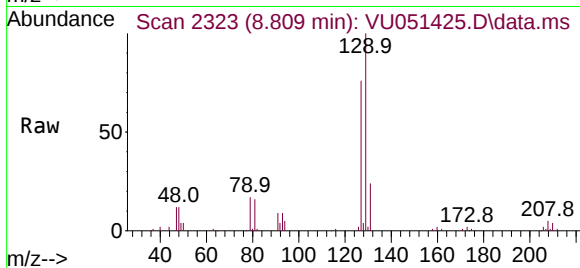




#55
Dibromochloromethane
Concen: 4.715 ug/l
RT: 8.809 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU051425.D
Acq: 14 Oct 2022 17:09

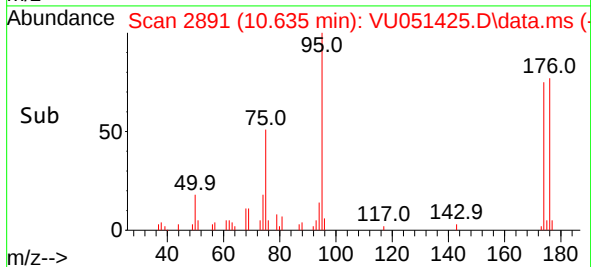
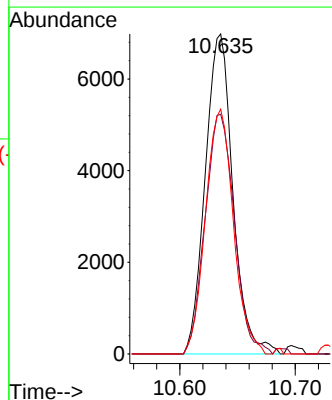
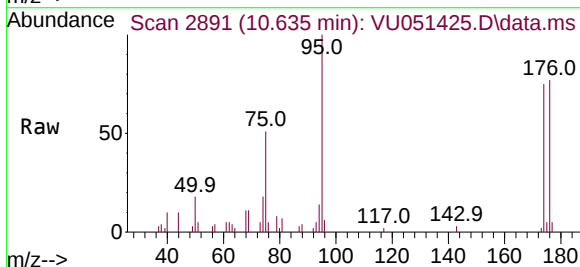
Instrument :
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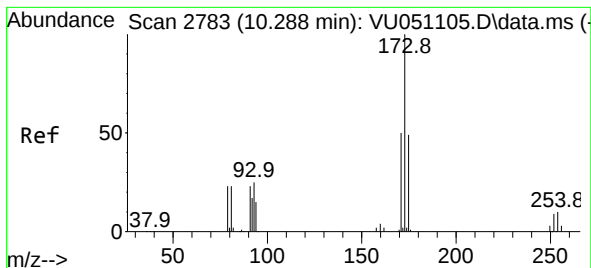
Tgt Ion:129 Resp: 61623
Ion Ratio Lower Upper
129 100
127 76.4 61.2 91.8



#57
4-Bromofluorobenzene
Concen: 0.757 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU051425.D
Acq: 14 Oct 2022 17:09

Tgt Ion: 95 Resp: 11608
Ion Ratio Lower Upper
95 100
174 79.2 62.4 93.6
176 77.4 56.2 84.2





#67

Bromoform

Concen: 2.744 ug/l

RT: 10.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051425.D

Acq: 14 Oct 2022 17:09

Instrument :

MSVOA_U

ClientSampleId :

38025-110221DL

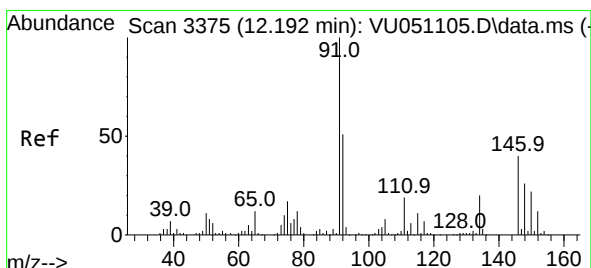
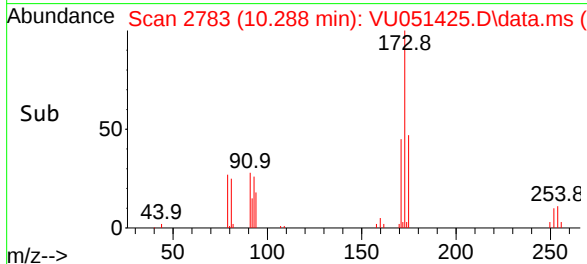
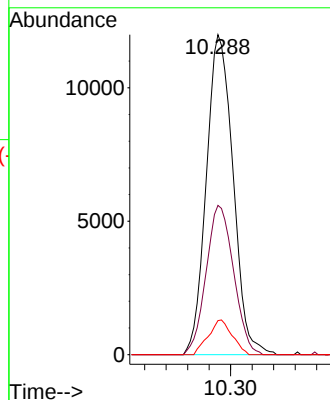
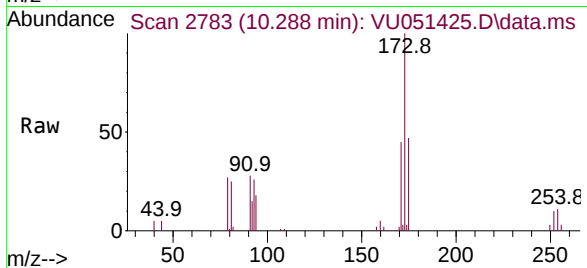
Tgt Ion:173 Resp: 20700

Ion Ratio Lower Upper

173 100

175 48.0 38.4 57.6

254 9.6 7.7 11.5



#68

1,2-Dichlorobenzene-d4

Concen: 0.749 ug/l

RT: 12.192 min Scan# 3375

Delta R.T. -0.000 min

Lab File: VU051425.D

Acq: 14 Oct 2022 17:09

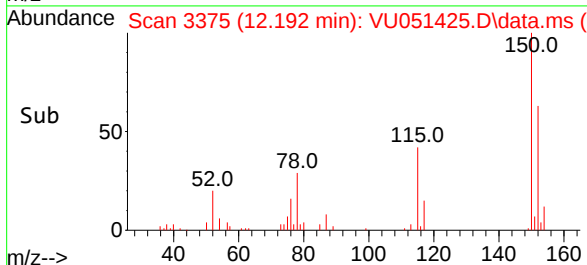
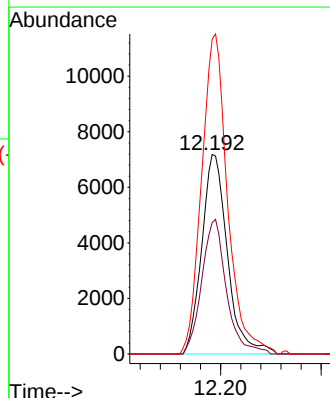
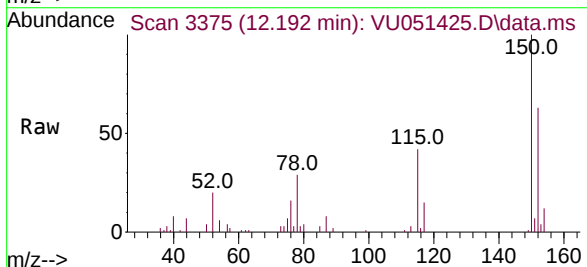
Tgt Ion:152 Resp: 12761

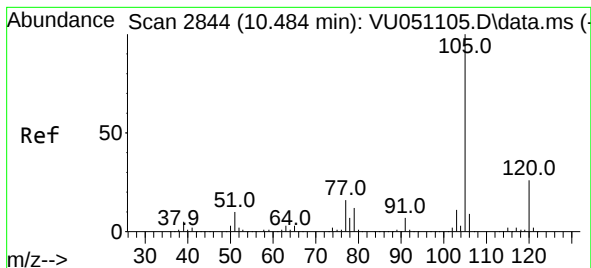
Ion Ratio Lower Upper

152 100

115 64.6 0.0 254.6

150 161.6 0.0 623.6





#69

Isopropylbenzene

Concen: 0.473 ug/l

RT: 10.488 min Scan# 21

Delta R.T. 0.004 min

Lab File: VU051425.D

Acq: 14 Oct 2022 17:09

Instrument :

MSVOA_U

ClientSampleId :

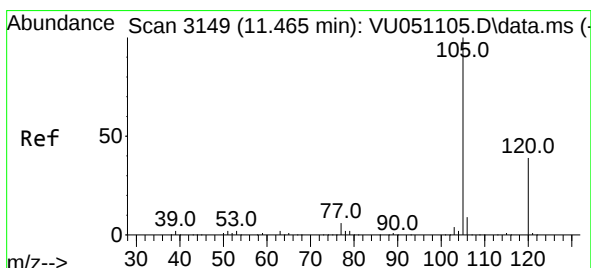
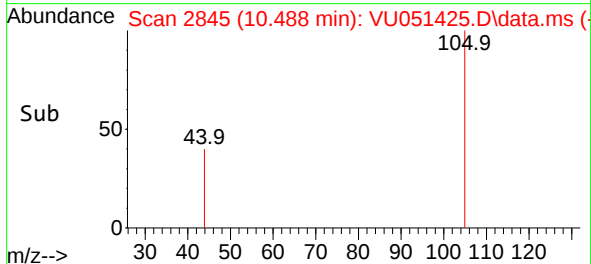
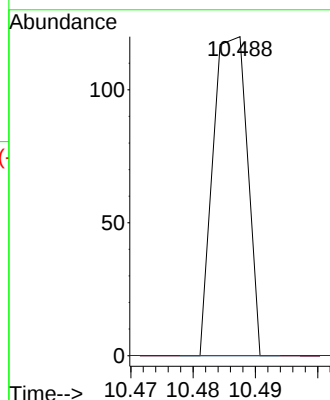
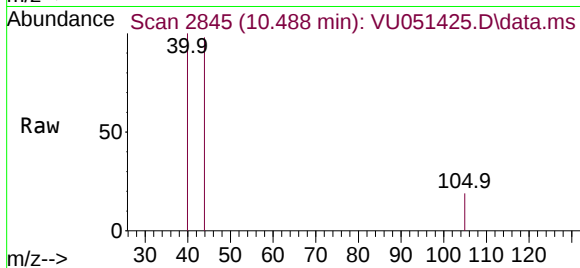
38025-110221DL

Tgt Ion:105 Resp: 46

Ion Ratio Lower Upper

105 100

120 0.0 12.6 37.8#



#78

1,2,4-Trimethylbenzene

Concen: 0.493 ug/l

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU051425.D

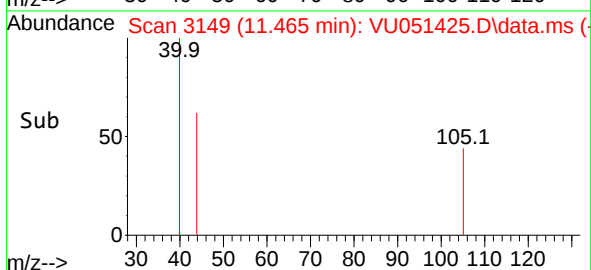
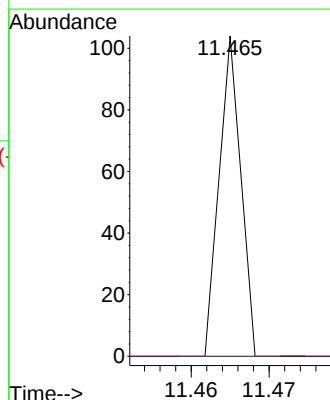
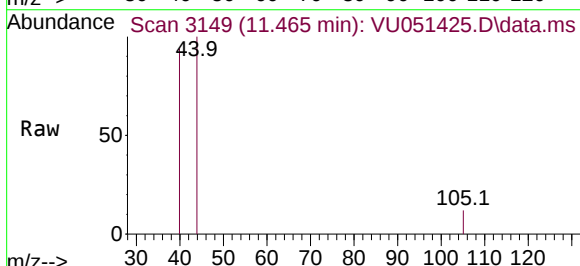
Acq: 14 Oct 2022 17:09

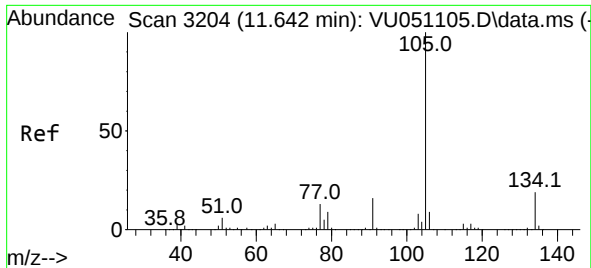
Tgt Ion:105 Resp: 20

Ion Ratio Lower Upper

105 100

120 0.0 21.6 65.0#

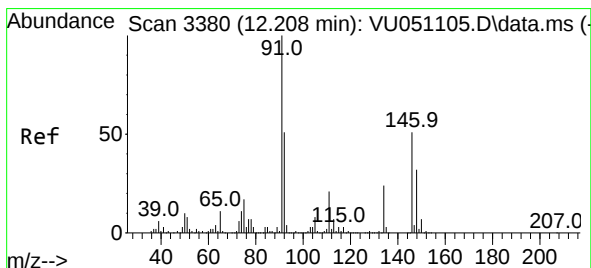
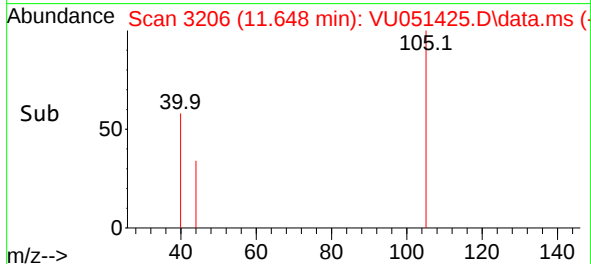
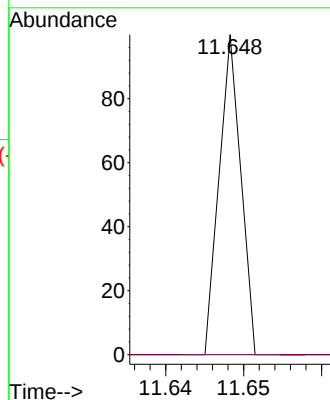
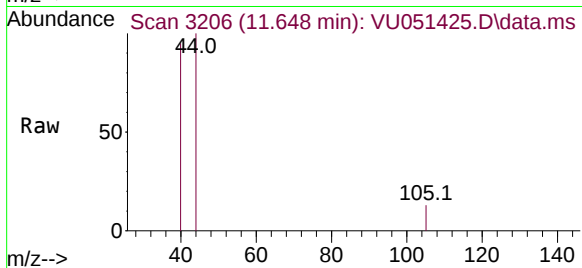




#79
 sec-Butylbenzene
 Concen: 0.438 ug/l
 RT: 11.648 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VU051425.D
 Acq: 14 Oct 2022 17:09

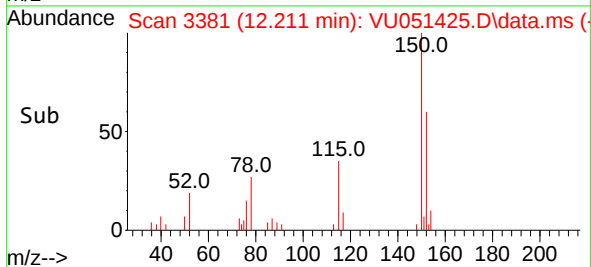
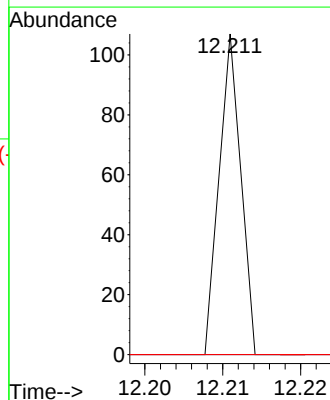
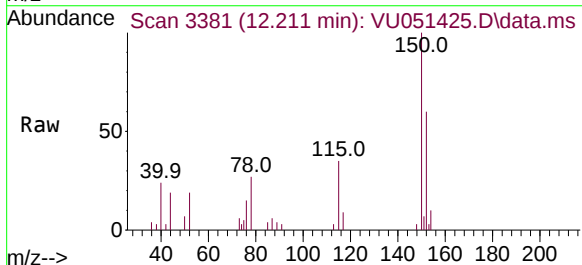
Instrument :
 MSVOA_U
 ClientSampleId :
 38025-110221DL

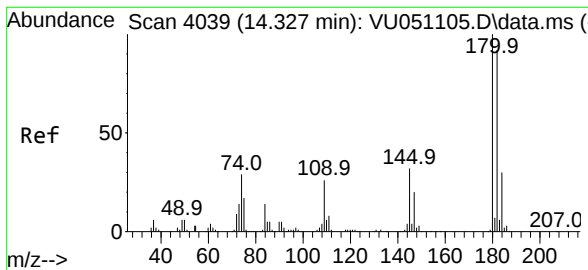
Tgt Ion:105 Resp: 19
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.4 23.0#



#84
 n-Butylbenzene
 Concen: 0.580 ug/l
 RT: 12.211 min Scan# 3381
 Delta R.T. 0.003 min
 Lab File: VU051425.D
 Acq: 14 Oct 2022 17:09

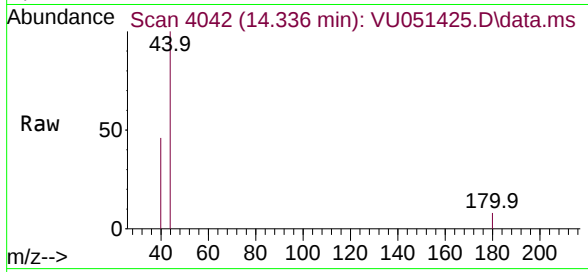
Tgt Ion: 91 Resp: 21
 Ion Ratio Lower Upper
 91 100
 92 0.0 42.3 63.5#
 134 0.0 19.6 29.4#





#90
 1,2,3-Trichlorobenzene
 Concen: 0.344 ug/l
 RT: 14.336 min Scan# 40
 Delta R.T. 0.009 min
 Lab File: VU051425.D
 Acq: 14 Oct 2022 17:09

Instrument :
 MSVOA_U
 ClientSampleId :
 38025-110221DL



Tgt Ion:	180	Resp:	44
Ion	Ratio	Lower	Upper
180	100		
182	50.0	76.6	114.8#
145	0.0	27.3	40.9#

